Index of Claims

| App | licati | on/C | ontro | ol No. |
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10/643,535

Examiner

Karl E. Group

Applicant(s)/Patent under Reexamination

SAKAMOTO ET AL.

Art Unit

1755

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
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| - | Interference |

| A |   | Appeal   |
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| Cla                    | am   | Date      |          |  |              |              |          |  |  |          |  |
| Final                  | Original   | 1/4/05    |          |  |              |              |          |  |  |          |  |
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|                        | 1<br>2<br>3<br>4<br>5<br>6                                   | 1         |          |  |              |              |          |  |  |          |  |
|                        | 3  | $\coprod$ |          |  |              |              |          |  | L  |          |  |
|                        | 4  | Ц         |          | <u></u>  |              |              | _        | L  | L  |          |  |
|                        | 5  | 1         | _        | 乚  | <u> </u>     | <u> </u>     | _        | <u> </u>   | L  |          |  |
|                        | 6  | 1         | _        | L  |              | <u> </u>     | <u> </u> | L  | _  |          |  |
| <u> </u>               | 7  | 1         |          | <u> </u>   |              | ┞            |          | ┞  | <u> </u>   | _        |  |
| -                      | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 1         | _        | ⊢  | -            | ⊢            | ⊢        | ⊢  | ┞  | <u> </u> |  |
|                        | 40   | 1         | _        | ┢  |              | $\vdash$     | ⊢        | ⊢  | ⊢  | -        |  |
|                        | 10   |           | _        |  | <del> </del> | $\vdash$     | H        | $\vdash$   | ⊢  | $\vdash$ |  |
|                        | 12   | $\vdash$  |          | -  | -            | -            | ┢        | ┢┈   | ⊢  |          |  |
|                        | 13   | -         | -        | <del>                                     </del> | <del> </del> | ├-           | ┢        | ┢  | -  |          |  |
| <b>-</b>               | 14   | ┢         | ┢        | $\vdash$   | $\vdash$     | $\vdash$     | ⊢        | ┢  | ┢  |          |  |
|                        | 15   | ┢         | H        | $\vdash$   | Н            | $\vdash$     | $\vdash$ |  | H  |          |  |
|                        | 16   | $\vdash$  |          | Т  | 1            | $\vdash$     |          | 1  | _  |          |  |
|                        | 17   | T         |          |  |              |              |          | Г  |  |          |  |
|                        | 18   |           |          |  |              | Г            |          |  |  |          |  |
|                        | 19   |           |          |  |              |              |          |  |  |          |  |
|                        | 20   |           |          |  |              | Ĺ            |          |  |  |          |  |
|                        | 20<br>21   |           |          |  |              |              |          | L.   |  |          |  |
|                        | 22   |           |          |  |              |              |          |  |  |          |  |
|                        | 23<br>24   |           |          |  | _            |              |          | _  |  |          |  |
|                        | 24   |           |          | _  | _            | _            | 匚        |  | $ldsymbol{ld}}}}}}$ | Щ        |  |
|                        | 25   | L         |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |              | _            | 匚        |  | L  | Щ        |  |
|                        | 26   | _         | _        | _  | <u> </u>     |              | <u> </u> | L  | _  | Ц        |  |
|                        | 27   |           | <u> </u> | <u> </u>   | <u> </u>     | _            | ╙        | _  |  | Ш        |  |
|                        | 28<br>29   |           | _        | -  | <u> </u>     | _            | ╙        | _  | <u> </u>   |          |  |
| $\vdash$               | 29   |           |          | <u> </u>   | ┝            | <u> </u>     | H        | ⊢  | -  | Н        |  |
|                        | 30   | ⊢         | -        | -  | ├            | ┝            | <u> </u> | ⊢  | $\vdash$   | Н        |  |
| $\vdash$               | 32   | -         | -        | _  | _            | $\vdash$     | _        | ⊢  | <u> </u>   |          |  |
|                        | 31<br>32<br>33   | $\vdash$  | $\vdash$ | -  | -            | ┢            | $\vdash$ | ┢  | -  | Н        |  |
| $\vdash \vdash$        | 34   | $\vdash$  | H        | $\vdash$   | -            | -            | ┢        | $\vdash$   | 一  | Н        |  |
| $\vdash \vdash \vdash$ | 35   |           | -        | <del>                                     </del> | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | Н        |  |
|                        | 36   |           | _        | $\vdash$   | $\vdash$     | T            | H        | <del>                                     </del> | $\vdash$   | Н        |  |
|                        | 36<br>37   |           | _        | Г  |              |              | $\vdash$ | $\vdash$   |  | Н        |  |
|                        | 38   |           | _        |  |              |              |          | $\vdash$   |  |          |  |
|                        | 39   |           |          |  |              |              |          |  |  |          |  |
|                        | 40   |           |          |  |              |              |          |  |  |          |  |
|                        | 41   |           |          |  |              |              |          |  |  |          |  |
|                        | 42   |           |          |  |              |              |          |  |  |          |  |
| $oxed{oxed}$           | 43   | Ш         |          |  |              | L_           |          | L  |  |          |  |
| L                      | 44   | Ш         |          | <u> </u>   | <u> </u>     | $oxed{oxed}$ | oxdot    | L  | Ш  | Щ        |  |
|                        | 45   |           |          | <u> </u>   |              | _            |          | $ldsymbol{ldsymbol{\sqcup}}$                     | _  | Щ        |  |
| $\vdash \vdash \mid$   | 46   | Щ         |          | <u> </u>   | $\vdash$     | <u> </u>     | L        | Ш  |  | Щ        |  |
| $\vdash$               | 47   | Щ         |          | H  | _            | Ш            |          | _  | Н.   | Ш        |  |
| $\vdash$               | 48<br>49   | $\vdash$  | _        | $\vdash$   | <u> </u>     | _            |          | $\vdash$   | Н  | Щ        |  |
| $\vdash\vdash\vdash$   | 49<br>50   | $\vdash$  |          | $\vdash$   |              |              | <u> </u> | $\vdash$   | Ш  | $\dashv$ |  |
|                        | อย   |           |          |  |              |              |          |  |  |          |  |

| Cla      | aim      |          |          |               | 1        | Date     | Э        |        |          |   |     | Cla   | aim      |              |          |          | [             | Date     | <u> </u> |          |           |          |
|----------|----------|----------|----------|---------------|----------|----------|----------|--------|----------|---|-----|-------|----------|--------------|----------|----------|---------------|----------|----------|----------|-----------|----------|
| rinai    | Original | 1/4/05   |          |               |          |          |          |        |          |   |     | Final | Original |              |          |          |               |          |          |          |           |          |
|          | 1        |          |          |               |          |          |          |        |          |   | 1   |       | 51       |              |          |          |               |          |          |          |           |          |
|          | 2        | $\perp$  |          |               |          |          |          |        |          |   |     |       | 52       |              |          |          |               |          |          |          | Ш         |          |
|          | 3        | $\perp$  |          | <u> </u>      |          |          | _        |        |          |   |     |       | 53       |              |          |          |               |          |          |          |           |          |
|          | 4        | 4        |          | <u> </u>      | _        |          | _        |        | _        | _ |     |       | 54       |              |          |          |               |          |          |          |           |          |
|          | 5        | 1        | _        | <u> </u>      | <u> </u> | _        | _        |        |          |   | !   |       | 55       | _            |          |          |               |          |          |          | Ш         | $\Box$   |
|          | 6        | Ļ        | <u> </u> | <u> </u>      | <u> </u> | _        |          | _      |          |   |     |       | 56       |              |          |          |               |          |          |          | Ш         |          |
| _        | 7        | 1        | _        | _             | _        | <u> </u> | _        |        | _        |   |     |       | 57       | _            | _        |          | _             |          | _        | _        | Н         | _        |
| -        | 8        | <u> </u> | _        | <u> </u>      | ⊢        | <u> </u> | _        | _      | _        | _ | l   |       | 58       | _            | _        |          | _             |          | _        | _        | $\vdash$  | $\vdash$ |
| -        | ۍ<br>چ   | 1        | _        | ┝             | ┝        | $\vdash$ | H        | _      | $\vdash$ | - | 1   |       | 59       | <del> </del> |          |          | _             | -        | -        |          | H         | $\vdash$ |
| -        | 10<br>11 |          |          | <u> </u>      | <u> </u> | -        |          |        | _        |   |     |       | 60<br>61 | ┝            |          |          |               |          | _        | _        | Н         |          |
| -        | 12       | —        |          | -             | -        | -        | ⊢        |        | -        | - |     |       | 62       | $\vdash$     | _        |          |               | $\vdash$ | $\vdash$ | -        | $\vdash$  | Н        |
| $\dashv$ | 13       |          |          | <del> -</del> | -        | -        | -        | _      |          |   |     |       | 63       | H            |          | _        | _             | _        |          |          | Н         | $\vdash$ |
| $\neg$   | 14       | _        | _        |               | $\vdash$ | $\vdash$ | $\vdash$ | _      | _        | _ | 1   |       | 64       | $\vdash$     | -        | _        | _             | -        |          | _        | -         | Н        |
| -1       | 15       |          |          |               | H        | $\vdash$ | -        |        |          |   | 1   |       | 65       |              |          |          |               | _        |          |          | Н         | Н        |
| _        | 16       |          |          | <del> -</del> | $\vdash$ | ┢        | $\vdash$ |        | _        | _ | 1 1 |       | 66       | $\vdash$     | $\vdash$ |          |               | _        |          |          | $\vdash$  | $\vdash$ |
|          | 17       |          | -        |               |          |          |          |        |          |   | 1   |       | 67       |              |          |          |               |          |          |          |           |          |
|          | 18       |          | _        |               |          | $\vdash$ | _        | -      | _        |   | 1   |       | 68       | _            |          |          |               | _        | $\vdash$ | _        | П         |          |
|          | 19       |          |          | $\vdash$      |          |          |          |        |          |   |     |       | 69       | Н            |          |          |               |          |          | _        | М         |          |
|          | 20       |          |          |               |          |          |          |        |          |   | 1 1 |       | 70       |              |          |          |               |          |          |          | П         |          |
|          | 21       |          |          |               | Г        |          |          |        |          |   |     |       | 71       |              |          |          |               |          |          |          | П         |          |
|          | 22       |          |          |               |          |          |          |        |          |   | 1 1 |       | 72       |              |          |          |               |          |          |          | П         |          |
|          | 23       |          |          |               |          |          |          |        |          |   | 1   |       | 73       |              |          |          |               |          |          |          |           |          |
|          | 24       |          |          |               |          |          |          |        |          |   |     |       | 74       |              |          |          |               |          |          |          | П         |          |
|          | 25       |          |          |               |          |          |          |        |          |   |     |       | 75       |              |          |          |               |          |          |          |           |          |
| _ ]      | 26       |          |          |               |          |          |          |        |          |   | 1 ( |       | 76       |              |          |          |               |          |          |          |           |          |
|          | 27       |          |          |               |          |          |          |        |          |   |     |       | 77       |              |          |          |               |          |          |          |           |          |
|          | 28       |          |          |               |          |          |          |        |          |   |     |       | 78       | Ш            |          |          |               |          |          |          |           |          |
| _        | 29       |          |          |               |          | Ш        |          |        |          |   |     |       | 79       |              |          |          |               |          |          |          | Ш         |          |
| _        | 30       |          |          |               |          |          |          |        |          |   |     |       | 80       |              |          |          |               |          |          |          | ļ         |          |
| _        | 31       | _        | _        |               |          |          |          |        | Ш        |   |     |       | 81       | Щ            |          |          |               |          |          | _        | $\Box$    | _        |
| _        | 32       |          |          | _             | _        |          |          |        |          |   |     |       | 82       |              |          | _        |               |          |          |          |           | Щ        |
| $\dashv$ | 33       | _        |          |               |          |          |          |        |          |   |     |       | 83       |              |          | $\Box$   |               |          | $\Box$   | -        | Н         | $\dashv$ |
| -        | 34       | $\dashv$ |          |               |          |          |          | _      | -        |   |     |       | 84       |              | _        | -        |               |          |          |          | Н         | $\dashv$ |
| $\dashv$ | 35<br>36 | $\dashv$ |          |               |          |          |          | _      |          |   |     |       | 85<br>86 | Н            | _        | -        |               | _        | -        | -        | $\vdash$  | $\dashv$ |
| -        | 37       | $\dashv$ |          | Н             |          | -        |          |        |          |   |     |       | 87       | Н            |          | $\dashv$ |               |          | -        | -        | $\vdash$  | ᅱ        |
| $\dashv$ | 38       | $\dashv$ | _        | $\vdash$      |          | -        | _        |        |          |   |     |       | 88       | -            |          | $\dashv$ |               |          | -        | -        | -         | -        |
| $\dashv$ | 39       |          |          | -             |          |          |          |        | -        |   | l   |       | 89       | Н            |          | $\dashv$ | -             | -        | $\dashv$ | -        | -         | $\dashv$ |
| -1       | 40       | $\dashv$ |          | Н             | Н        |          |          |        |          | - | ŀ   |       | 90       | $\vdash$     |          | ᅥ        |               |          |          |          | $\vdash$  | $\dashv$ |
| 1        | 41       | $\neg$   |          | $\vdash$      |          | Н        | -        |        |          | _ |     |       | 91       |              |          | $\neg$   | _             |          | -        |          | $\exists$ | $\dashv$ |
| _        | 42       |          |          | Н             |          | П        |          |        |          |   |     |       | 92       | $\vdash$     |          | $\neg$   |               |          |          |          |           | $\dashv$ |
| 1        | 43       |          |          | $\Box$        |          |          |          |        |          |   |     |       | 93       | Н            |          | $\neg$   | $\overline{}$ |          |          | $\dashv$ | $\Box$    | $\dashv$ |
| _        | 44       | 一        |          | $\neg$        | П        |          | _        |        |          | _ |     |       | 94       | Н            |          | _        | $\neg$        |          |          |          | $\neg$    | $\dashv$ |
|          | 45       | コ        |          |               |          |          |          | $\neg$ | $\neg$   |   |     |       | 95       |              | $\neg$   |          | $\dashv$      | $\neg$   |          | $\neg$   | $\neg$    | $\dashv$ |
| $\Box$   | 46       |          |          |               |          | $\Box$   |          | $\neg$ |          |   |     |       | 96       |              |          |          |               |          |          | $\neg$   | $\dashv$  | $\dashv$ |
|          | 47       |          |          |               |          |          |          |        |          |   |     |       | 97       |              |          | $\neg$   | $\dashv$      |          |          | $\neg$   | $\neg$    |          |
| ┚        | 48       |          |          |               |          |          |          |        |          |   | [   |       | 98       |              |          |          |               |          |          | $\cdot$  |           |          |
|          | 49       | $\Box$   |          |               |          |          |          |        |          |   |     |       | 99       |              |          |          |               |          |          |          |           |          |
|          | 50       | $\sqcup$ |          |               |          |          |          |        |          |   | [   |       | 100      |              |          |          |               |          |          |          |           |          |
|          |          |          |          |               |          |          |          |        |          |   |     |       | -        |              | -        |          | _             |          |          |          |           |          |

| Cla         | Date              |   |          |          |  |          |          |          |              |                 |
|-------------|-------------------|---|----------|----------|--|----------|----------|----------|--------------|-----------------|
| Final       | Original          |   |          |          |  |          |          |          |              |                 |
|             | 101               |   |          |          |  |          |          |          |              |                 |
|             | 102               |   |          |          |  | L        |          |          | L            |                 |
|             | 103               |   | _        | L_       | L.   | _        |          |          |              | Ш               |
|             | 104               |   | _        | _        | _  | _        | <u> </u> | _        | <u> </u>     | $\sqcup$        |
|             | 105<br>106        |   | <u> </u> | <u> </u> | $\vdash$   | -        | -        | <u> </u> | <del> </del> | Н               |
|             | 107               |   | _        | -        | -  | _        | -        |          | $\vdash$     | Н               |
|             | 108               |   | $\vdash$ |          | $\vdash$   | -        | -        |          | ⊢            | Н               |
|             | 109               |   | -        | $\vdash$ | ┢  | -        | $\vdash$ | $\vdash$ | ┢            | Н               |
|             | 110               |   |          |          |  |          |          |          |              | П               |
|             | 111               |   |          |          |  |          |          |          |              |                 |
|             | 112               |   |          |          |  |          |          |          |              |                 |
|             | 112<br>113        |   |          | L        | L  |          |          | $\Box$   |              | Ш               |
|             | 114               |   | _        |          |  | 匚        |          |          | L.           | Ш               |
|             | 115               |   | _        | _        | <u> </u>   | L        | <u> </u> | <u> </u> | <u> </u>     | Щ               |
|             | 116               |   | L        | _        |  | L        | _        | <u> </u> | _            | Н               |
|             | 117               |   | _        | ┝        | ┝  | H        | _        |          | ⊢            | Н               |
|             | 118<br>119        |   |          | ┝        | -  | -        | ┝        |          | ┝            | ┝╌┤             |
|             | 120               |   |          | ├        | -  |          | -        |          | ┢            |                 |
|             | 121               | _ |          | <u> </u> | -  |          | _        |          | _            | Н               |
|             | 122               |   |          | П        | <del>                                     </del> | $\vdash$ | $\vdash$ |          | $\vdash$     | H               |
|             | 123               |   |          |          | Г  |          | Т        |          |              | П               |
|             | 123<br>124        |   |          |          |  |          |          |          |              | П               |
|             | 125               |   |          |          |  |          |          |          |              |                 |
|             | 126<br>127<br>128 |   |          |          |  |          |          |          |              | Щ               |
|             | 127               |   |          | _        | <u> </u>   | _        |          |          | _            | Щ               |
|             | 128               |   |          | _        | <u> </u>   | ┡        | _        |          |              | Ш               |
|             | 129<br>130        |   | _        | _        | ⊢  | H        |          | H        | _            | Н               |
|             | 131               |   | _        |          |  | H        |          | H        |              | Н               |
|             | 132               |   | $\vdash$ | $\vdash$ | ├  | $\vdash$ |          | Н        |              | Н               |
|             | 133               | _ |          |          | ┢╌   | $\vdash$ | -        |          |              | Н               |
|             | 134               | _ | -        |          | $\vdash$   | ┢        | _        | -        | Н            | Н               |
|             | 134<br>135        |   | Т        |          | $\vdash$   | $\vdash$ |          |          | _            | П               |
|             | 136               |   |          |          |  |          |          |          |              |                 |
|             | 137               |   |          |          |  |          |          |          |              |                 |
|             | 138               |   |          |          | _  |          |          |          |              |                 |
|             | 139               |   |          |          |  |          |          |          |              | Ш               |
|             | 140               | _ | $\vdash$ | _        | <u> </u>   | Щ        |          | Ц        |              | Щ               |
|             | 141               |   | _        |          | -  | Н        |          |          |              | $\vdash$        |
|             | 142<br>143        |   |          | H        | _  | $\vdash$ |          | Н        | _            | $\vdash \dashv$ |
|             | 144               | _ | _        | Н        | -  | Н        |          | $\vdash$ |              | $\vdash$        |
| -           | 145               | - |          | Н        |  |          |          |          |              | $\vdash$        |
| $\dashv$    | 146               |   | -        | $\vdash$ | -  | Н        |          |          |              | $\vdash$        |
| $\neg \neg$ | 147               |   |          |          | П  | $\Box$   |          | $\Box$   |              | $\sqcap$        |
|             | 148               |   |          |          |  |          |          |          |              | $\sqcap$        |
|             | 149               |   |          |          |  |          |          |          |              |                 |
|             | 150               |   |          |          |  |          |          |          |              |                 |